PRELIMINARY AMENDMENT

In accordance with 37 C.F.R. § 1.111, Applicants submit the following Amendment and Reply.

IN THE DRAWINGS

Please substitute the attached sheet (Figure 1A and 1B) of formal drawings for the informal drawings originally filed with the application. A Transmittal of Formal Drawings is submitted.

IN THE CLAIMS

Please cancel claims ~~2-5~~, 8, 11-13, ~~15~~, and ~~18~~, without prejudice or disclaimer.

Please add the following new claims:

B1

24. (New) A primer set for synthesizing polynucleotides, wherein said primer set comprises an oligo-dT primer and an oligonucleotide complementary to the complementary strand of the polynucleotide comprising the nucleotide sequence set forth in SEQ ID NO. 702, wherein said oligonucleotide comprises at least 15 nucleotides.

25. (New) A primer set for synthesizing polynucleotides, wherein said primer set comprises a combination of an oligonucleotide comprising a nucleotide sequence complementary to a complementary strand of a polynucleotide comprising a 5'-end nucleotide sequence and an oligonucleotide comprising a nucleotide sequence complementary to a polynucleotide comprising a 3'-end nucleotide sequence, wherein said oligonucleotides comprise at least 15 nucleotides and wherein said combination of 5'-end nucleotide sequence/3'-end nucleotide sequence is selected from the group consisting of SEQ ID NO: 702 and SEQ ID NO: 6223.

26. (New) A polynucleotide synthesized with the primer set of claim 24 or 25.

27. (New) A polynucleotide comprising a coding region of the polynucleotide of claim 26.

28. (New) An isolated polynucleotide selected from the group consisting of
(a) a polynucleotide comprising a coding region of the nucleotide sequence set forth in SEQ ID NO: 10847;
(b) a polynucleotide comprising a nucleotide sequence encoding a protein comprising the amino acid sequence set forth in SEQ ID NO: 10848;
(c) a polynucleotide comprising a nucleotide sequence encoding a protein comprising an amino acid sequence selected from the amino acid sequences of (b), in which one or more amino acids are substituted, deleted, inserted, and/or added, wherein said protein is functionally equivalent to the protein comprising said amino acid sequence of (b);
(d) a polynucleotide that hybridizes with a polynucleotide comprising a nucleotide sequence selected from the nucleotide sequence of (a), and that comprises a nucleotide sequence encoding a protein functionally equivalent to the protein encoded by the nucleotide sequence selected from the nucleotide sequence of (a);
(e) a polynucleotide comprising a nucleotide sequence encoding a partial amino acid sequence of a protein encoded by the polynucleotide of (a) to (d);
(f) a polynucleotide comprising a nucleotide sequence with at least 70% identity to the nucleotide sequence of (a).

29. (New) A vector comprising the polynucleotide of claim 27 or claim 28.

30. (New) A transformant carrying the polynucleotide of claim 27 or 28.

31 31. (New) A transformant carrying the vector of claim 29.

32. (New) A transformant expressively carrying the polynucleotide of claim 27 or 28.